

Very productive and large-scale multi-scan. proceq underground radar



GP8100

Productive portable concrete GPR arrays allow for rapid object detection and excellent data collection

- ◆ Wide scan width, high scan speed, class penetration depth is optimal
- ◆ Fast detection of objects of any size in the Super Line Scan View
- ◆ Collect high density and accurate GPR data with one superline scan

application:

- ◆ Extensive concrete inspection of all buildings or bridge slabs
- ◆ Detection and damage prevention of objects before excavation, excavation, and cutting into concrete
- ◆ GPR data collection for concrete structure evaluation and post-processing data.
- ◆ Specific quality evaluation

An innovative portable concrete GPR array with unprecedented data clarity



Productivity

Effective scan widths of 25cm and 80cm penetration depth improve scan efficiency, with one scan equivalent to six traditional line scans.



Visualization

Super Line Scan View allows you to detect objects of any size and mark concrete surfaces easier and faster than ever.



density

The high scan speed of 1" 200 scans per second allows for extremely dense GPR data collection in one super line scan, visualized with six traditional line scans.

specification



musical instrument
Technical specifications



proceq gpr app
Technical specifications

Radar Technology Step Frequency Continuous Wave (SFCW) GPR

Modulated frequency range 400-4000MHz

Intrusion depth 80cm/31.5inch

battery Flight Safety, Removable Pack, 8x AA (NIMH)

size 41.5 x 22.5 x 13.2cm
16.3 x 8.9 x 5.2 inches

Weight 3.0 kg / 6.6 lbs (excluding battery pack)

Ground height 0.8cm / 0.32 inch

antenna 6

Distance to the edge of the antenna 8.3cm/3.27inch

Special features All-wheel drive with high traction wheels and laser light guide
USB-C tethering for mobile batteries

Connection Wi-Fi to display unit (802.11n)
USB-C for Wi-Fi restricted areas

Autonomy 3 hours (up to 8 hours with a commercially available 10"000mAh mobile battery, sold separately)

Measurement mode Super Line Scan (1000m/3281ft)
Area Scan (using flexible grids up to 100m2/1076 FT2)

Review Mode Super Line Scan¹
a-scan (including envelopes)
Migrated view
Unmigrated view
Split View¹
Time Slice View² Basic
3D view
ar

Advanced visualization Time Slice View Pro
3D view
Augmented Reality (AR)

Report Workspace Integration
Automatic logbook
Seg-y exports
Instant Report Generation
Share via URL

Export format JPG PNG CSV SEGY HTML

View specifications* We recommend the latest Apple® iPad (iPads on iOS 11.0 or later)
Screen size: 7.9 inches to 12.9 inches
Resolution: Maximum 2732 x 2048
Memory: Maximum 2TB
Weight: Lightweight from 301g/10.6oz
Camera: Width 12mp, Width 10mp
Options: USB-C, 5G, Face ID

Display sensor* lidar scanner (optional)
3-axis gyro
Accelerometer
Ambient light sensor
barometer
Embedded GPS/GNS